

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2003/002789

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C22B 1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C22B 1/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and Applications for Invention since 1975

Korean Utility Models and Applications for Invention since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

KIPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,076,520 (Midrex Corporation) 28 February 1978 see the whole document	1-30
A	KR 2002-49590 (POSCO) 26 June 2002 see the whole document	1-30
T	KR 2003-41808 (Maschinenfabrik Kopern GmbH & Co KG) 27 May 2003 see the whole document	1-30

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

02 APRIL 2004 (02.04.2004)

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Name and mailing address of the ISA/KR


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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4076520	28.02.1978	GB 1504088A DE 2625223C CA 1063835A	15.03.1978 19.03.1981 09.10.1979
KR 20020049590	26.02.2002	none	
KR 20030041808	27.05.2003	DE 10156735A	05.06.2003